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THIRTY-FOURTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1889.

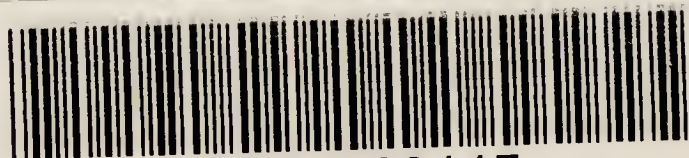
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# OFFICERS

OF THE

## NORTHAMPTON LUNATIC HOSPITAL.

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### TRUSTEES.

Mrs. SARAH A. WOODWORTH,	. . . . .	CHICOPEE.
Mrs. SARAH M. BUTLER,	. . . . .	NORTHAMPTON.
ADAMS C. DEANE, M.D.,	. . . . .	GREENFIELD.
HENRY W. TAFT, Esq.,	. . . . .	PITTSFIELD.
LYMAN D. JAMES, Esq.,	. . . . .	WILLIAMSBURG.
NEHEMIAH A. LEONARD, Esq.,	. . . . .	SPRINGFIELD.
Hon. JOHN L. OTIS,	. . . . .	NORTHAMPTON.

### RESIDENT OFFICERS.

EDWARD B. NIMS, M.D.,	. . . . .	<i>Superintendent.</i>
JOHN A. HOUSTON, M.D.,	. . . . .	<i>Assistant Physician.</i>
CHARLES M. HOLMES, M.D.,	. . . . .	<i>Assistant Physician.</i>
EMILY F. WELLS, M.D.,	. . . . .	<i>Female Physician.</i>
WALTER B. WELTON,	. . . . .	<i>Clerk.</i>
JOHN MERCIER,	. . . . .	<i>Farmer.</i>
DANFORD MORSE,	. . . . .	<i>Engineer.</i>

### TREASURER.

EDWARD B. NIMS,	. . . . .	NORTHAMPTON.
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Office at the Hospital.

### SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	. . . . .	<i>Male Supervisor.</i>
LUCY A. GILBERT,	. . . . .	<i>Female Supervisor.</i>
F. JOSEPHUS RICE,	. . . . .	<i>Steward.</i>
MINNIE A. SMITH,	. . . . .	<i>Seamstress.</i>
LIZZIE E. RICE,	. . . . .	<i>Laundress.</i>
GEORGE B. WALKER,	. . . . .	<i>Baker.</i>





# Commonwealth of Massachusetts.

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## TRUSTEES' REPORT.

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*To His Excellency the Governor of the Commonwealth and the Honorable Council.*

The thirty-fourth report of the trustees of the Northampton Lunatic Hospital for the year 1888-89 gives the changes in population and the principal improvements for the year. The reports of the treasurer and superintendent are also submitted.

The number of patients in the hospital Sept. 30, 1888, was 481: men, 232; women, 249. The number admitted within the year was 155: men, 98; women, 57. Of these, 60 were supported by the State, 72 by towns, and 23 by individuals. The number under treatment in the year was 636: men, 330; women, 306. The number discharged was 190: men, 113; women, 77; including 25 deaths. The number remaining at the end of the year was 446: men, 217; women, 229. The average daily number was 469.1: men, 231.4; women, 237.7. Forty-two patients were discharged as recovered, including 5 inebriates; 12 as much improved, 65 as improved, 43 as unimproved, 3 as not insane. Twenty patients were transferred to the Worcester Insane Asylum; 19 were boarded out in families by the State Board of Lunacy and Charity. The decrease in the number of patients in the hospital is thus accounted for. Fifty patients remain in the hospital who were formerly transferred from hospitals in the eastern part of the State; at the beginning of the year the number of this class of patients was 80. Three patients were admitted within the year from the east-

ern part of the State. These facts prove conclusively that the admissions from the four western counties will hereafter keep the hospital filled to its capacity, and that soon additional accommodations must be furnished, or relief in some direction. The accumulation of chronic cases in the hospital, and the increase of population in Western Massachusetts, will make such a step necessary. The change of the status of patients is also noticeable. Of the 442 patients remaining in the hospital Sept. 30, 1879, 202 were supported by the State, 184 by cities and towns, and 56 by individuals. Of the 446 patients remaining Sept. 30, 1889, 91 were supported by the State, 294 by cities and towns, and 61 by individuals.

The improvements which have been made within the year are not extensive, yet have their various values. A section of the grounds in front of the south wing, which had been for years in a swampy condition, was drained. The iron fence which extends along the street front was carried to the eastern boundary of the premises on Mill River, this extension being about ninety-five feet in length. A section of the fence eight hundred feet in length was rebuilt, and an eighteen-inch brick drain constructed along the same section. Two hundred feet of the main drain which carries the sewage away from the hospital was rebuilt. The improvements of the lands in the western part of the farm have been continued, in the construction of drains and the removal of a large number of bowlders.

Inside the main building some changes have been made. The shafts which carry the elevators to the dining rooms, seven in number, have been lined with tin, as a protection against fire. The floors in several halls and many rooms have been relaid. The ceilings in some of the halls have been renewed. One hundred iron bedsteads were placed in the rooms, also two hundred and twenty-five woven wire mattresses, thirty large black-walnut settees, and a considerable amount of smaller furniture.

The area of the farm has been increased by the purchase of a pasture containing ninety-two acres of land, lying adjacent to the hospital grounds on the south-west side. This land formerly belonged to the Day Brothers' estate. The



acquisition of this land gives the hospital an excellent site for the erection of an annex, or cottages. The area of the farm is now four hundred and eighty-seven acres. It may seem to some that this enlargement of the premises of the institution was unnecessary; yet experience has shown that a liberal area of grounds about a hospital of this character has decided advantages. The hospital contains a community of persons larger in number than many townships. The buildings, with the surrounding grounds, become the temporary home of the patients; the place for work, for recreation, and exercise. They are practically restricted within these boundaries; they cannot go outside to any great extent without encroaching upon the premises and rights of others. The course which is being pursued by the hospitals for the insane which are in process of construction in New England and New York, shows their appreciation of this fact; some in procuring spacious grounds and premises, while others are taking steps to remove their institutions from the city to the country. The superintendent of one of the leading hospitals in the country, in writing upon this subject, says that every hospital for the insane should have at least an acre of land to each patient.

The hospital has received for the support of city, town and State patients, \$3.25 per week. The average cost per week per patient has been \$3.4715.

The treasurer's report, giving the receipts and disbursements of money for the year, is herewith appended. The accounts of the hospital have been audited and approved. The financial condition of the hospital is good, and gives evidence that the affairs have been wisely managed. The money received for the board of patients during the year is as follows: —

For State patients,	.	.	.	.	.	\$17,749 06
town patients,	.	.	.	.	.	51,223 58
private patients,	.	.	.	.	.	16,565 64
						<hr/>
Total,	.	.	.	.	.	\$85,538 28

In addition to the money surplus on hand, there is a liberal amount of purchased supplies, and products of the farm.

Dr. David G. Hall, after a service of six years as second assistant physician, resigned, and has entered upon private practice. Dr. Edward B. Lane resigned the office of first assistant physician, after serving a year and a half, to accept the position of resident physician at the Dorchester Asylum. Dr. Charles M. Holmes, a recent graduate of the Dartmouth Medical College, has been appointed second assistant physician. Dr. J. A. Houston, who has served as assistant physician for seven years in the Worcester Lunatic Hospital, was appointed first assistant physician, entering upon his duties September 23.

It is perhaps a noteworthy fact, that, of the officers and employees who were connected with the hospital at the end of the year, thirty-two held their positions when the present superintendent entered upon his office, four years since.

The meetings of the Board have been held monthly, at which a careful investigation of the condition and affairs of the hospital has been made, as well as at occasional visits by members of the Board.

SARAH A. WOODWORTH,  
SARAH M. BUTLER,  
A. C. DEANE,  
HENRY W. TAFT,  
LYMAN D. JAMES,  
N. A. LEONARD,  
JOHN L. OTIS,

*Trustees.*

## LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,  
SEPT. 30, 1889.

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Superintendent and physician, . . . . .	per year, \$2,500 00
Assistant physician, first, . . . . .	" 1,200 00
Assistant physician, second, . . . . .	" 500 00
Female physician, . . . . .	" 900 00
Treasurer, . . . . .	" 300 00
Treasurer, for clerk hire and paid to clerk, . . . . .	" 200 00
Clerk, . . . . .	" 1,200 00
Farmer, . . . . .	" 700 00
Engineer, . . . . .	" 900 00
Assistant clerk, . . . . .	per month, 20 00
Supervisor (male), . . . . .	" 40 00
Supervisor (female), . . . . .	" 30 00
Assistant supervisor (female), . . . . .	" 20 00
Seamstress, . . . . .	" 20 00
Assistant seamstress, . . . . .	" 15 00
Laundress, . . . . .	" 18 00
Assistant laundress, . . . . .	" 18 00
Assistant laundress, . . . . .	" 16 00
Baker, . . . . .	" 40 00
Steward, . . . . .	" 58 33
Assistant steward, . . . . .	" 35 00
Attendants (male, 4), . . . . .	" 30 00
Attendants (male, 3), . . . . .	" 25 00
Attendants (male, 3), . . . . .	" 23 00
Attendants (male, 3), . . . . .	" 21 00
Attendant (female), . . . . .	" 20 00
Attendants (female, 10), . . . . .	" 18 00
Attendants (female, 2), . . . . .	" 16 00
Attendant (female), . . . . .	" 15 00
Attendant (female), . . . . .	" 14 00
Night watch (female), . . . . .	" 18 00
Housework, centre (female), . . . . .	" 17 00
Housework, centre (female), . . . . .	" 16 00
Housework, centre (female), . . . . .	" 15 00

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Cook (female),	.	.	.	.	.	.	.	per month,	\$16 00
Assistant cook (male),	.	.	.	.	.	.	.	"	16 00
Assistant baker (male),	.	.	.	.	.	.	.	"	25 00
Assistant cooks (female, 2),	.	.	.	.	.	.	.	"	15 00
Assistant cook (female),	.	.	.	.	.	.	.	"	14 00
Farmer's dining room (female),	.	.	.	.	.	.	.	"	14 00
Housework, rear building (female),	.	.	.	.	.	.	.	"	10 00
Watchman,	.	.	.	.	.	.	.	"	30 00
Carpenter,	.	.	.	.	.	.	.	per day,	2 25
Carpenter,	.	.	.	.	.	.	.	"	2 00
Painter,	.	.	.	.	.	.	.	per month,	50 00
Assistant engineer,	.	.	.	.	.	.	.	"	32 00
Night engineer, and gardener in summer,	.	.	.	.	.	.	.	"	30 00
Coachman,	.	.	.	.	.	.	.	"	28 00
Farm hand,	.	.	.	.	.	.	.	"	30 00
Farm hands (3),	.	.	.	.	.	.	.	"	28 00
Farm hand,	.	.	.	.	.	.	.	"	26 00
Farm hands (3),	.	.	.	.	.	.	.	"	25 00
Farm hand,	.	.	.	.	.	.	.	"	23 00
Farm hand,	.	.	.	.	.	.	.	"	20 00

In the warm season we generally hire some farm hands by the day. This year we had four at \$1.50 per day, without board.



## INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1889.

---

Live stock on hand, . . . . .	\$6,093 00
Produce of farm on hand, . . . . .	9,237 26
Carriages and agricultural implements, . . . . .	3,022 00
Machinery and mechanical fixtures, . . . . .	6,340 00
Beds and bedding in inmates' department, . . . . .	12,988 00
Other furniture in inmates' department, . . . . .	7,400 00
Personal property of State in superintendent's department,* . . . . .	9,000 00
Ready-made clothing, . . . . .	3,257 52
Dry goods, . . . . .	3,442 48
Provisions and groceries, . . . . .	5,379 00
Drugs and medicine, . . . . .	600 00
Fuel, . . . . .	6,289 47
Library, . . . . .	1,000 00
Paints and oils, . . . . .	450 00
Total, . . . . .	<hr/> \$74,498 73

\* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing room and other apartments.



## TREASURER'S REPORT.

---

*To the Trustees of the Northampton Lunatic Hospital.*

I hereby present my report, as treasurer of the hospital, for the fiscal year ending with the 30th of September, 1889. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursements of money during the year, and the financial condition at its close.

### ASSETS.

Four hundred and eighty-seven acres of land, . . . . .	\$50,106 60
Hospital building, . . . . .	250,000 00
Farm house, \$1,900 ; brick house, \$1,900, .	3,800 00
Three dwellings (H. Day lot), . . . . .	1,500 00
Storehouse and shops, . . . . .	15,000 00
Two barns, . . . . .	5,250 00
Horse stable, . . . . .	1,800 00
Scullery and wood house, . . . . .	650 00
Lumber house, . . . . .	1,000 00
Pump house, . . . . .	900 00
Cart shed, . . . . .	450 00
Coal house, . . . . .	125 00
Piggery, . . . . .	3,000 00
Cattle shed, . . . . .	1,200 00
Fire proofs for oils and paints, . . . . .	500 00
Two ice houses, . . . . .	450 00
Total, . . . . .	<hr style="width: 100%;"/> \$335,731 60

### PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the trustees' report, . . . . .	\$74,498 73
--	-------------

## RECEIPTS.

Cash on hand Sept. 30, 1888,	.	.	.	.	.	\$10,351 33
Received from the State treasurer,	.	.	.	.	\$18,931 58	
from towns,	.	.	.	.	50,494 63	
from individuals,	.	.	.	.	17,633 46	
from sales,	.	.	.	.	2,405 25	
from interest,	.	.	.	.	785 30	
from sale of bond,	.	.	.	.	12,737 50	
					<hr/>	102,987 72
						<hr/>
						\$113,339 05

## PAYMENTS.

1. Salaries and labor,	.	.	.	.	.	\$29,449 45
2. Provisions and supplies:—						
Meats of all kinds,	.	.	.	.	\$5,981 35	
Fish of all kinds,	.	.	.	.	1,628 48	
Fruit and vegetables,	.	.	.	.	1,109 30	
Flour,	.	.	.	.	5,882 00	
Grain and meal for table,	.	.	.	.	792 42	
Tea, coffee and chocolate,	.	.	.	.	944 06	
Grain and meal for stock,	.	.	.	.	2,832 45	
Sugar and molasses,	.	.	.	.	2,450 16	
Butter and cheese,	.	.	.	.	4,152 40	
Salt and other groceries,	.	.	.	.	1,942 85	
All other provisions,	.	.	.	.	41 58	
					<hr/>	27,757 05
3. Clothing,	.	.	.	.	.	3,474 56
4. Fuel and lights,	.	.	.	.	.	7,289 48
5. Medicines and medical supplies,	.	.	.	.	.	837 72
6. Furniture, beds and bedding,	.	.	.	.	.	6,145 88
7. Transportation and travelling expenses,	.	.	.	.	.	512 79
8. Ordinary construction and repairs,	.	.	.	.	.	2,793 52
9. Extraordinary construction and repairs,	.	.	.	.	.	4,390 66
10. Miscellaneous expenses, including:—						
1. Real estate,	.	.	.	.	\$4,306 60	
2. Farm stock,	.	.	.	.	1,144 00	
3. Farm supplies,	.	.	.	.	3,599 83	
4. Water,	.	.	.	.	1,174 00	
5. Minor expenses,	.	.	.	.	768 23	
6. Contingencies,	.	.	.	.	826 32	
					<hr/>	11,818 98
Total expenditures,	.	.	.	.	.	<hr/>
						\$94,470 09

## LIABILITIES.

Salaries and wages due Oct. 1, 1889,	.	.	.	.	\$3,557 54
Miscellaneous bills due,	.	.	.	.	1,655 78
					<hr/>
					\$5,213 32

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Due the institution for board Oct. 1, 1889 : —

From State, . . . . .	\$3,984 52	
towns, . . . . .	14,701 71	
individuals, . . . . .	4,389 72	
treasurer, Sept. 30, 1889, . . . . .	18,868 96	
	<hr/>	\$41,944 91

## SUMMARY.

Total receipts, . . . . .	\$113,339 05
Total payments, . . . . .	94,470 09

Cash on hand Sept. 30, 1889, . . . . . \$18,868 96

Total liabilities, . . . . .	\$5,213 32
Total debts due the institution, . . . . .	41,944 91
Total expenditures, . . . . .	94,470 09

Dividing this sum by 469.1, the average number of patients, we have the average expenditure per patient, . \$201 38 $\frac{58}{100}$   
 And the average weekly expenditure per patient, . . . 3 86 $\frac{24}{100}$

Deducting from the total expenditures, . . . . .	\$94,470 09
The extraordinary expenses, . . . . .	8,697 26

We have the current expenses, . . . . . \$85,772 83

Dividing \$85,772.83 by 469.1, the average number of patients, we have the average expenditure per patient, . \$182 84 $\frac{1}{2}$   
 Making the average weekly expenditure per patient, . . . 3 50 $\frac{68}{100}$

Deducting the increase of personal assets, . . . . .	\$863 53
From the current expenses, . . . . .	85,772 83

We have the necessary cost for the year, . . . . . \$84,909 30

Dividing \$84,909.30 by 469.1, the average number of patients, we have, as the annual cost of each patient, . \$181 00 $\frac{4}{100}$   
 Making the average weekly cost of each patient, . . . 3 47 $\frac{15}{100}$

EDWARD B. NIMS,  
*Treasurer.*

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

JOHN L. OTIS,  
 HENRY W. TAFT,  
*Auditors.*

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The thirty-fourth annual report for the year ending Sept. 30, 1889, is herewith respectfully submitted, giving in detail the operations of the hospital, and the results. The general statistics are given in the following table : —

1. General Statistics.

	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1888, . . .	232	249	481
Admitted within the year, . . .	98	57	155
Whole number of cases within the year, .	330	306	636
Discharged within the year, . . .	113	77	190
Viz.: as recovered, . . .	27	15	42
much improved, . . .	6	6	12
improved, . . .	25	40	65
unimproved, . . .	35	8	43
Deaths, . . .	18	7	25
Not insane, . . .	2	1	3
Patients remaining Sept. 30, 1889, . .	217	229	446
Viz.: supported as State patients, . .	45	46	91
town patients, . .	143	151	294
private patients, . .	31	30	61
Number of different persons within the year,	322	302	624
Persons admitted, . . .	93	55	148
Persons recovered, . . .	22	14	36
Daily average number of patients, . .	231.4	237.7	469.1

On the 1st of October, 1889, one woman and two men were transferred from State to town charge. Hence the new year will begin with —

State patients, . . .	43	45	88
Town patients, . . .	145	152	297



It will be seen from the foregoing table that the number of discharges (113 men and 77 women) is larger by 35 than the number of admissions (98 men and 57 women), making a decrease in the population of the hospital of 35. The number at the beginning of the year was 481 (232 men and 249 women), which, added to the number of admissions, makes the whole number under treatment 636 (336 men and 306 women). Of those discharged, 20 were transferred to the Worcester Insane Asylum; 19 were boarded out in families, by the Board of Lunacy and Charity; 15 were removed to almshouses; 19 were removed out of the State, they having no residence or settlement therein; and 92 went to their friends or homes.

The number of persons admitted within the year was 148: men, 93; women, 55. The number of persons under treatment was 624: men, 322; women, 302. Two men and two women were discharged and readmitted. Three men and two women were admitted, discharged and readmitted. One man was discharged, readmitted and discharged. Two men were admitted, discharged, readmitted and discharged. Of the 155 cases admitted, 114 were first admissions, 27 second admissions, 8 third admissions, 2 fourth admissions, 3 sixth admissions, and 1 the seventh admission.

The daily average, 469.1, is a little smaller than in the preceding year. The largest number in the house on any one day was 498; the smallest number was 440. The number of persons discharged was 187: men, 110; women, 77.

#### STATUS OF PATIENTS.

The change in the status of patients is going on gradually from year to year. The number of State patients at the beginning of the year was 104; town and city patients, 309; private patients, 68. Sixty State patients were admitted within the year; 72 town and city, and 23 private. Sixty of those supported by State were discharged, 98 by cities and towns, 32 private patients; leaving, at the end of the year, 91 State patients, 294 city and town, and 61 private. The change in status may be accounted for by the fact that most of the patients who were removed by transfer and who were boarded out in families, were supported by the State,



and that a very large proportion of the population in western Massachusetts have legal settlements.

The average weekly number in each class for two years past is shown in the accompanying table : —

	1887 - 88.			1888 - 89.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, .	60.37	51.80	112.17	56.56	48.11	104.67
Town patients, .	132.88	161.13	294.01	145.51	157.50	303.01
Private patients, .	32.67	31.34	64.01	29.38	31.93	61.31

#### RECOVERIES.

The number of recoveries, including 5 inebriates, was 42 ; of these, 10 had been discharged before as recovered, — a fact which proves how impossible it is for physicians in hospitals to estimate the tendency to relapse in patients, and to decide when such patients are completely recovered. The science of medicine is not an exact science. Like physicians in general practice, we can only judge of the probabilities in each case according to our knowledge. The conditions may be obscure or unknown. The causes which may afterward affect them cannot be taken into account.

The ratio of persons recovered to the number admitted is 24.33 per cent. The ratio of persons recovered to the number discharged is 19.25 per cent. The ratio of persons recovered to the number discharged, exclusive of deaths, is 22.22 per cent.

#### DISCHARGED ON PROBATION.

Twenty-four patients were discharged on probation, under the sixty-day law ; of these, but one returned within the limited time. Twenty of these returned home with friends, the remainder were boarded out in families. Nineteen patients have been removed from the hospital by the State Board of Lunacy and Charity, and placed in families ; of this number, one only has returned to the hospital by reason of ill health.

## DEATHS.

Twenty-five persons have died within the year. This is the smallest percentage, reckoned on the whole number of cases, for sixteen years; or, reckoned on the daily average population, the lowest for ten years. Eighteen of the deaths were of men, and 7 of women. Four were occasioned by acute diseases, and 21 by diseases which were chronic in character. One died of exhaustion of acute mania, complicated with pyemia, the result of injury from a fall which occurred before admission. One died of peritonitis, following long-continued melancholia, accompanied by frequent attempts to commit violence upon himself. Six deaths resulted from paresis, 5 from phthisis, 3 from epilepsy. Two feeble men died of apoplexy, 3 from exhaustion of chronic mania, 2 from long-continued disease of the heart, and 1 of old age. The amount of illness from acute disorders has been small. No suicide has occurred in the hospital since October, 1884. The ratio of deaths, reckoned upon the daily average number of patients, was 5.32 per cent. The ratio of deaths to the whole number of cases was 3.93 per cent. Of the 25 persons who died, 7 were maintained by the State, 9 by cities and towns, and 9 by individuals.

The number of deaths, and their ratios since 1858, are given in the following table:—

*Deaths and their Ratios from Sept. 30, 1858, to Oct. 1, 1888.*

OFFICIAL YEAR.	Whole No. of Patients.	Daily Aver- age No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Aver- age No. of Patients.
			Men.	Women.	Totals.		
1858-59, .	313	229.55	7	12	19	6.07	8.27
1859-60, .	398	255.96	9	18	27	6.78	10.54
1860-61, .	434	314.26	15	15	30	6.91	9.54
1861-62, .	442	313.80	9	10	19	4.29	6.05
1862-63, .	470	355.28	19	7	26	5.53	7.31
1863-64, .	475	357.63	17	30	47	9.89	13.14
1864-65, .	469	342.40	17	24	41	8.76	11.97

*Deaths and their Ratios, etc. — Concluded.*

OFFICIAL YEAR.	Whole No. of Patients.	Daily Aver- age No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Aver- age No. of Patients.
			Men.	Women.	Totals.		
1865-66, .	488	376.35	18	13	31	6.35	8.23
1866-67, .	543	401.03	23	24	47	8.65	11.71
1867-68, .	565	413.41	25	17	43	7.61	10.40
1868-69, .	590	405.10	13	12	25	4.23	6.17
1869-70, .	604	408.83	22	11	33	5.46	8.07
1870-71, .	616	421.90	16	12	28	4.54	6.64
1871-72, .	619	428.72	19	18	37	5.97	8.63
1872-73, .	614	437.23	13	8	21	3.42	4.80
1873-74, .	626	469.54	14	11	25	3.99	5.32
1874-75, .	629	475.35	23	18	41	6.52	8.62
1875-76, .	629	474.21	18	19	37	5.88	7.80
1876-77, .	603	476.16	21	21	42	6.96	8.82
1877-78, .	551	442.43	14	9	23	4.17	5.19
1878-79, .	535	436.73	14	9	23	4.29	5.27
1879-80, .	559	450.51	17	12	29	5.19	6.44
1880-81, .	569	451.79	16	10	26	4.57	5.75
1881-82, .	587	461.66	24	14	38	6.47	8.23
1882-83, .	606	466.76	17	13	30	4.95	6.42
1883-84, .	605	463.05	12	13	25	4.13	5.39
1884-85, .	599	475.94	16	11	27	4.51	5.67
1885-86, .	659	474.40	14	12	26	3.94	5.48
1886-87, .	639	478.55	13	18	31	4.85	6.47
1887-88, .	635	470.25	14	17	31	4.88	6.59
1888-89, .	636	469.10	18	7	25	3.93	5.32



## WORSHIP AND ENTERTAINMENT.

The assemblies of patients have been continued during the year, as given in the following table : —

*Exercises in Chapel.*

## 1. ON THE SABBATH : —

Divine worship,	. . . . .	52 days.
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## 2. ON SECULAR EVENINGS : —

(a) *Readings and Recitations, opened and closed with music : —*

The Bible and selections of poetry,	. . . . .	41 days.
The Bible and selections of prose,	. . . . .	1 day.
The Bible and selections of poetry and prose,	. . . . .	9 days.
The Bible and selections of poetry, and recitations,	. . . . .	1 day.
Miscellaneous selections of prose,	. . . . .	96 days.
Miscellaneous selections of poetry,	. . . . .	5 days.
Miscellaneous selections of poetry and prose,	. . . . .	49 days.
Miscellaneous selections of poetry and prose,		
and recitations,	. . . . .	1 day.
Recitations,	. . . . .	1 day.
Lectures,	. . . . .	9 days.

(b) *Other Entertainments : —*

Pictures shown with the stereopticon,	. . . . .	8 days.
Concerts,	. . . . .	2 days.
Ventriloquism,	. . . . .	1 day.

(c) *Social Assemblies : —*

Quadrille parties,	. . . . .	19 days.
No assembly,	. . . . .	70 days.

Total,	. . . . .	365 days.
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At the religious services which have been held on Sabbath afternoons, without intermission, the average attendance was 285.59. The largest number present at any one service was 309, the smallest number was 264.

During five months in the summer and autumn the assemblies were omitted on Tuesday and Friday evenings, and on days when the hospital was visited by officials. The usual Thanksgiving and Christmas exercises were also observed. The attendance at the entertainments and other evening assemblies varies but little from that at the religious services. The services on the Sabbath are conducted by clergymen of

different denominations, generally from the city. The readings, recitations and lectures are conducted by some one of the officers of the hospital, as a rule.

Dr. T. H. Meekins of this city has officiated at the stereopticon exhibitions for several years past. The variety of these exercises makes them more acceptable to the various tastes of the people who attend.

### FARM.

The year has been a successful one on the farm in most respects. The crops are excellent, with the exception of the apples, this being the non-bearing year; and the potato crop, the warm, wet weather in August having injured the vines, and checked the growth of the tubers. All of the other vegetables have been abundant in quantity and excellent in quality.

The amount of hay was larger than ever before. The farm is now so large that in the future it will probably produce all of the hay that will be required for use. The raising of ensilage, which now seems to have become an established custom, will be of assistance in case of a short crop. The use of ensilage here has been a success, and will probably be continued. The ease with which it is grown and harvested, the small amount of room necessary for storing it, its value as a fodder, are facts which are in its favor. The annual amount of hay harvested each year since 1864 is given in the following table: —

1864, estimated, . . .	40 tons.	1877, weighed, . . .	154 tons.
1865, " . . .	62 "	1878, " . . .	179 "
1866, " . . .	42 "	1879, " . . .	144 "
1867, weighed, . . .	82 "	1880, " . . .	154 "
1868, " . . .	86 "	1881, " . . .	213 "
1869, " . . .	91 "	1882, " . . .	170 "
1870, " . . .	74 "	1883, " . . .	197 "
1871, " . . .	75 "	1884, " . . .	174 "
1872, " . . .	91 "	1885, " . . .	251 "
1873, " . . .	84 "	1886, " . . .	269 "
1874, " . . .	120 "	1887, " . . .	302 "
1875, " . . .	100 "	1888, " . . .	305 "
1876, " . . .	111 "	1889, " . . .	331 "



The product of pork for the year was 19,227 pounds. Forty-eight hogs were slaughtered, the heaviest of which dressed 717 pounds. The following table gives the amount for each year since 1865 :—

<i>Pork Raised upon the Farm.</i>											
1865,	.	.	.	6,265	pounds.	1878,	.	.	.	14,451	pounds.
1866,	.	.	.	5,443	"	1879,	.	.	.	13,569	"
1867,	.	.	.	7,416	"	1880,	.	.	.	14,729	"
1868,	.	.	.	7,791	"	1881,	.	.	.	15,610	"
1869,	.	.	.	8,469	"	1882,	.	.	.	14,414	"
1870,	.	.	.	7,447	"	1883,	.	.	.	15,612	"
1871,	.	.	.	7,863	"	1884,	.	.	.	10,192*	"
1872,	.	.	.	11,366	"	1885,	.	.	.	17,544	"
1873,	.	.	.	10,511	"	1886,	.	.	.	21,503	"
1874,	.	.	.	12,024	"	1887,	.	.	.	26,331	"
1875,	.	.	.	12,693	"	1888,	.	.	.	18,465	"
1876,	.	.	.	12,467	"	1889,	.	.	.	19,227	"
1877,	.	.	.	13,605	"						

The number of gallons of milk produced within the year was 27,765. One-third of this amount is given in the table of farm products ; the other two-thirds are accounted for in the food given to the animals, and the cost of the animals.

The employment of patients on the farm has been continued, as usual. This custom has a double advantage : it is a benefit to the patients themselves, and contributes to the support of the hospital. As a class, they are happier, more contented and healthier, for the out-door exercise.

<i>List of Farm Products in 1889.</i>											
Hay (first growth of home farm),	204	tons,	.	.	.	.	.	.	.	\$3,060	00
Hay (south lot),	25½	tons,	.	.	.	.	.	.	.	382	50
Hay (Clarke orchard),	16	tons,	.	.	.	.	.	.	.	240	00
Hay (aftergrowth of whole farm),	77½	tons,	.	.	.	.	.	.	.	1,162	50
Hay (second quality),	8¾	tons,	.	.	.	.	.	.	.	86	00
Corn fodder, dry,	20	tons,	.	.	.	.	.	.	.	120	00
Corn,	360	bushels,	.	.	.	.	.	.	.	216	00
Straw,	6	tons,	.	.	.	.	.	.	.	60	00
Oats,	150	bushels,	.	.	.	.	.	.	.	51	00
Potatoes,	1,450	bushels,	.	.	.	.	.	.	.	870	00
Broom seed,	50	bushels,	.	.	.	.	.	.	.	20	00

\* Quantity diminished by disease.

*List of Farm Products in 1889 — Concluded.*

Broom brush, 1,000 pounds, . . . . .	\$60 00
Carrots, 183 bushels, . . . . .	73 20
Sugar beets, 885 bushels, . . . . .	265 50
Beets, 48 bushels, . . . . .	36 00
Onions, 435 bushels, . . . . .	217 25
Turnips, 900 bushels, . . . . .	270 00
Parsnips, 65 bushels, . . . . .	39 00
Beans (Lima), in shell, 128 bushels, . . . . .	128 00
Beans (common), in shell, 28 bushels, . . . . .	28 00
Beans (string), 27½ bushels, . . . . .	55 00
Pease (green), in pod, 125½ bushels, . . . . .	140 25
Sweet corn (green), in ear, 282½ bushels, . . . . .	282 50
Tomatoes, 166½ bushels, . . . . .	166 50
Lettuce, 131½ bushels, . . . . .	131 50
Cucumbers, 111 bushels, . . . . .	111 00
Squash (summer), 80½ bushels, . . . . .	80 50
Squash (winter), 11,460 pounds, . . . . .	171 90
Melons, 2,264 pounds, . . . . .	22 64
Asparagus, 36 bushels, . . . . .	108 00
Pie plant, 67 bushels, . . . . .	67 00
Beet greens, 35½ bushels, . . . . .	35 50
Spinach, 54 bushels, . . . . .	54 00
Cabbage, 4,500 heads, . . . . .	225 00
Currants, 32 bushels, . . . . .	96 00
Apples, 284 barrels, . . . . .	426 00
Pears, 30 bushels, . . . . .	22 50
Quinces, 3½ bushels, . . . . .	5 25
Grapes, 50 pounds, . . . . .	2 00
Beef, 13,720 pounds, . . . . .	1,006 48
Veal (raised here), 682 pounds, . . . . .	73 90
Pork, 19,227 pounds, . . . . .	1,330 17
Pigs sold, 388, . . . . .	988 00
Pigs, roasting, 4, . . . . .	8 00
Chickens, 660 pounds, . . . . .	126 10
Heads and plucks, 19, . . . . .	19 00
Eggs, 489 dozen, . . . . .	125 17
Milk (grass fed), 9,255 gallons, . . . . .	2,221 28
Cider, 24½ barrels, . . . . .	61 25
Calf skins, 6, . . . . .	7 50
Young calves sold, 12, . . . . .	34 00
Wood, 43 cords, . . . . .	129 00
Ensilage, 105 tons, . . . . .	367 50
Celery, 672 heads, . . . . .	19 10
Posts, 255, . . . . .	63 75
Lumber, 9,728 feet, . . . . .	126 46

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\$16,294 71

## HOW THE HOSPITAL IS SUPPORTED.

The following financial exposition is the same that was published in the annual report of 1887-88, with the exception of changes necessary for its adaptation to present circumstances.

Although a State institution, this hospital has received no gratuitous assistance from the State since the spring of 1867. Since that time it has relied for its income solely upon the products of its farm, the board bills of its patients, and the small sum of \$10 each for the funeral expenses of State patients who die in the hospital, and whose remains are not removed for burial. The receipts from the last-mentioned source during the year were \$20.

For the entire support of State patients, including clothing and all loss from breakage and other kinds of destruction, the hospital received \$3.50 each per week from the treasury of the Commonwealth, from April 1, 1870, to April 1, 1879. For one year after the latter date it received but \$3.00 each per week; and since April 1, 1880, it has received \$3.25 each per week. This is a compensation fixed by statute law. Ninety-one, or more than one-fifth, of the inmates now belong to this class. During the past year the weekly average of them was 22.31 per cent. of the whole. For town patients it has received, and now receives, from the treasuries of the towns, respectively, in which these patients have legal settlements, the same sum per week (\$3.25 each) as from the State treasury for State patients.

Formerly the towns clothed their patients and remunerated the hospital for damages done by them, but have not done so since April 1, 1888. Two hundred and ninety-four of the inmates are now in this class. The weekly average of them for the year was 64.69 per cent. of the whole.

For private patients there is no uniform price. The average pay from all who were here Sept. 30, 1888, was \$4.99 each per week. Clothing and damages are extra charges. The weekly average of these patients during the past year was a fraction over 13.72 per cent. of the whole. The average weekly pay per capita, charged by the hospital



for all of its patients, State, town and private, in the course of the year, is \$3.488.

Such are the pecuniary resources of the institution. We turn to the results of the finances of the last twenty-three years. In April, 1865, the hospital was freed from debt. The financial statement at the close of that month showed a balance of \$302.04 in its favor. Between that time and the 1st of June, 1867, it received a direct bonus from the State of \$5,000 in two appropriations, for specific purposes, — one of \$2,000 and the other of \$3,000.

As an offset to the \$5,000 bonus, the hospital has purchased and paid for several lots of land, amounting to nearly 296 acres, together with four dwelling houses. The total cost of this real estate was \$37,190.52. The State has, then, in this way alone, been overpaid for its bonus in the sum of \$32,190.52.

The amount paid by the hospital for repairs and improvements in the course of the last year is \$7,184.18; in the course of the twenty-four years from Sept. 30, 1865, to Sept. 30, 1889, is \$273,711.27.

The surplus of cash assets now on hand, including the reserve fund, is \$36,731.59, or \$36,429 55 larger than it was on the 30th of April, 1865.

The purchased provisions and supplies, including fuel and stored clothing now on hand, are estimated to have cost \$18,368.47. The estimated value of similar supplies on the 30th of April, 1865, was \$2,500. The increase of assets under this head is, therefore, \$15,868.47. The value of household furniture in the hospital is, at a low estimate, at least \$10,000 greater than it was on the 30th of April, 1865, at the same rate or standard of appraisal. To be certain, however, of no exaggeration, let it be called \$8,000. Collecting these several sums, the account of debit of the Commonwealth to the hospital appears to be as follows: —

Excess of cost of land over direct bonus, . . . . .	\$32,190 52
Repairs and improvements, . . . . .	273,711 27
Excess of present cash assets, . . . . .	36,429 55
Increase of provisions and supplies, . . . . .	15,868 47
Increase of furniture, . . . . .	8,000 00
Total, . . . . .	<u>\$366,199 81</u>

The necessary current repairs of the building may be estimated at \$3,000 annually. Deducting this sum for each of the twenty-four years since Sept. 30, 1865, a total of \$72,000, there is a remainder of \$294,199.81. To this amount, then, has the hospital assisted itself to things, for most of which it is generally expected that such institutions will rely on direct appropriations from the treasury of the Commonwealth.

In the preparation of this summary we have taken into account only the actual disbursements of money by the hospital in contributing to its own improvements. But, aside from this, a large amount of work in effecting those improvements was performed by the teams of horses and cattle belonging to the institution, and by the regular corps of its employees. Agreeably to all correct business principles, as well as to the custom at some similar institutions, the hospital should be accredited with the amount of the value of this labor; but no credit has ever been given for it. Many thousands of dollars might, in this direction, be justly added to the sum above mentioned, as the product of the efforts of the hospital in the promotion of its own material progress.

In connection with the above exposition, it may be interesting to know to what extent the tax payers of the State have contributed to the institution. From a list furnished by the State treasurer, of all the appropriations made either for the construction, the repairs, or the improvements of the hospital, I find that, from the time of the passage of the act authorizing its erection down to the present day, it has cost the people of the Commonwealth only \$375,550.

#### THE CHRONIC INSANE.

On Sept. 30, 1889, there were in the five State lunatic hospitals 3,133 patients; and, as nearly as could be ascertained, over ninety per cent. of these had been insane more than a year. The duration varied from one to upwards of fifty years. When we remember that the per cent. of recoveries among patients who have been insane more than a year is very small, it is easy to understand what the prospect for the future is, among this ninety per cent. It is also evident that the State hospitals have already largely become recep-



tacles for chronic cases; and, as the small per cent. of recovered and improved cases are removed, it is certain that the number and proportion of chronic cases will increase. The question then arises, whether the present hospitals shall be devoted to the care of the chronic insane, and new hospitals erected for the curable cases, or whether further provision shall be made for the incurable insane. The present hospitals, especially those which have been more recently erected, have been built at great expense. They are very complete in their appointments, and are well adapted to the care of any class of the insane. The problem for the future seems to be, whether the chronic insane can be provided for in buildings erected at a more moderate expense, and whether they can be supported properly at a lower rate than in the hospitals proper. Most of the present hospitals are already large, and any decided expansion would impair their efficiency. The methods in hospitals for curables and incurables must be necessarily somewhat different; and the bringing together of these different methods in the same institution would be difficult, and each would have an effect upon the other. The inference is, then, that a separate institution for the chronic insane would in most respects be preferable.

#### ACKNOWLEDGMENTS.

Various contributions of papers, magazines and gifts have been made to the hospital in the past year, by Mr. S. E. Bridgman of reading matter, Miss Florence Austin of several packages of papers. Mrs. S. A. Woodworth and Mrs. S. M. Butler have kindly remembered various patients with gifts. The publishers of the "Staaten Zeitung" have sent two copies of their paper, and the "Christian Register" one of theirs, during the year. Misses Herrick, Kidder, and the Messrs. Kidder, have given several concerts. Dr. T. W. Meekins, with the stereopticon, gave several exhibitions, as he has done for many years. To these and many others acknowledgments are due for favors received. The hospital furnishes a large amount of reading matter to its patients, such as newspapers, pictorial papers, magazines, etc. It also has a library of about fifteen hundred volumes, to which patients have free access. It may be proper to say

that any contributions of reading matter are gratefully received, and appreciated by numerous readers in the hospital.

#### CONCLUSION.

The changes among the subordinate officers are few. Mrs. Susan Miller, who was in charge of the sewing room, resigned; her place was taken by Minnie A. Smith. Lizzie E. Rice is laundress, in place of Nettie Lyman, who resigned. Thirty-two of the attendants and regular employees have remained in the hospital during the year, also nine of the officers.

Thus ends the year, with its cares, duties and work. Mistakes have been made, and the desired results have not always been attained; yet it is hoped that some good has been accomplished. To those who have labored with me to promote the interests and the welfare of the institution, I express my sincere thanks.

EDWARD B. NIMS.

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APPENDIX.

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\* 2. *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES (including Deaths).			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
<b>1888.</b>									
October, . . .	10	6	16	10	7	17	229.93	249.71	479.64
November, . . .	5	4	9	8	5	13	229.86	246.40	476.26
December, . . .	20	8	28	2	11	13	238.84	245.48	484.32
<b>1889.</b>									
January, . . .	9	6	15	7	5	12	247.16	245.00	492.16
February, . . .	4	5	9	7	3	10	247.32	245.21	492.53
March, . . .	7	4	11	12	5	17	245.00	247.65	492.65
April, . . .	6	2	8	12	9	21	236.40	241.10	477.50
May, . . .	12	3	15	27	14	41	225.42	230.39	455.81
June, . . .	7	3	10	5	8	13	219.33	226.20	445.53
July, . . .	5	5	10	6	6	12	222.29	223.45	445.74
August, . . .	9	6	15	12	1	13	219.13	224.19	443.32
September, . . .	4	5	9	5	3	8	216.87	228.13	445.00
Total of cases, . . .	98	57	155	113	77	190	—	—	—
Total of persons, . . .	93	55	148	110	77	187	—	—	—
Daily average for the year, . . .	—	—	—	—	—	—	231.40	237.70	†469.10

\* For Table No. 1, see the beginning of the superintendent's report.

† These totals are obtained by a division of the sums of daily residence for the year by 365, the number of days in the year.

3. *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	78	35	113	—	—	—
Second, . . . . .	12	15	27	3	6	9
Third, . . . . .	7	2	9	5	2	7
Fourth, . . . . .	—	2	2	—	5	5
Fifth, . . . . .	—	—	—	—	—	—
Sixth, . . . . .	1	2	3	2	6	8
Seventh, . . . . .	—	1	1	—	1	1
Total of cases, . . .	98	57	155	10	20	30
Total of persons, . . .	93	55	148	7	12	19

4. *Ages of Persons Admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	—	—	—	—	—	—
Fifteen years and less, . . . . .	2	—	2	1	—	1
From 15 to 20 years, . . . . .	3	2	5	2	1	3
20 to 25 years, . . . . .	10	3	13	11	5	16
25 to 30 years, . . . . .	9	8	17	9	7	16
30 to 35 years, . . . . .	5	5	10	10	4	14
35 to 40 years, . . . . .	9	2	11	14	4	18
40 to 50 years, . . . . .	11	5	16	16	8	24
50 to 60 years, . . . . .	4	1	5	4	2	6
60 to 70 years, . . . . .	5	3	8	6	3	9
70 to 80 years, . . . . .	3	1	4	4	1	5
Over 80 years, . . . . .	—	—	—	1	—	1
Not insane, . . . . .	2	1	3	—	—	—
Unknown, . . . . .	15	4	19	—	—	—
Total of persons, . . . . .	78	35	113	78	35	113

5. *Parentage of Persons Admitted.*

PLACES OF NATIVITY.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine, . . . . .	—	1	—	—	—	1
New Hampshire, . . . . .	1	2	—	—	1	2
Vermont, . . . . .	5	6	2	1	7	7
Massachusetts, . . . . .	25	21	15	12	40	33
Connecticut, . . . . .	5	8	1	1	6	9
New York, . . . . .	1	—	1	3	2	3
Pennsylvania, . . . . .	—	—	1	1	1	1
New Jersey, . . . . .	1	1	—	—	1	1
Illinois, . . . . .	—	1	—	—	—	1
Kentucky, . . . . .	—	1	—	—	—	1
Virginia, . . . . .	1	1	—	—	1	1
Maryland, . . . . .	—	—	—	1	—	1
Canada, . . . . .	8	8	2	1	10	9
New Brunswick, . . . . .	—	—	1	1	1	1
England, . . . . .	6	5	3	2	9	7
Ireland, . . . . .	23	22	25	28	48	50
Scotland, . . . . .	1	2	—	—	1	2
Germany, . . . . .	8	7	2	2	10	9
Norway, . . . . .	1	1	—	—	1	1
Greece, . . . . .	1	1	—	—	1	1
Italy, . . . . .	2	1	—	—	2	1
France, . . . . .	—	1	—	—	—	1
Bohemia, . . . . .	—	—	1	1	1	1
Unknown, . . . . .	4	3	1	1	5	4
Total of persons, . . . . .	93	93	55	55	148	148

6. Residence of Persons Admitted.

PLACES.	Males.	Females.	Totals.
Hampshire County, . . . . .	13	8	21
Hampden County, . . . . .	43	31	74
Berkshire County, . . . . .	24	10	34
Franklin County, . . . . .	11	5	16
Suffolk County, . . . . .	1	—	1
Worcester County, . . . . .	—	1	1
Norfolk County, . . . . .	1	—	1
Total of persons, . . . . .	93	55	148
Cities and large towns, . . . . .	57	36	93
Country districts, . . . . .	36	19	55
Total of persons, . . . . .	93	55	148

7. Civil Condition of Persons Admitted.

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . .	35	17	52	37	11	48	5	5	10	1	2	3
Second, . . .	6	4	10	—	7	7	1	2	3	1	1	2
Third, . . .	5	—	5	1	2	3	—	—	—	—	—	—
Fourth, . . .	—	1	1	—	1	1	—	—	—	—	—	—
Fifth, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Sixth, . . .	1	1	2	—	—	—	—	1	1	—	—	—
Seventh, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Total of persons, . . .	47	23	70	38	21	59	6	8	14	2	3	5

8. *Occupations of Persons Admitted.*

MALES.									
Hotel clerk,	.	.	.	1	Teamster,	.	.	.	1
Canvasser,	.	.	.	1	Modeller,	.	.	.	1
Laborers,	.	.	.	24	Publisher,	.	.	.	1
Carpenters,	.	.	.	4	None,	.	.	.	5
Shoemakers,	.	.	.	3					—
Mill operatives,	.	.	.	6	Total of persons,	.			93
Horse trainer,	.	.	.	1	FEMALES.				
Saloon keepers,	.	.	.	2	Paper maker's wife,	.	.	.	1
Truckman,	.	.	.	1	Mill operative's wife,	.	.	.	2
Veterinary surgeon,	.	.	.	1	Farmer's wife,	.	.	.	1
Physicians,	.	.	.	2	Manufacturer's wife,	.	.	.	2
Merchant,	.	.	.	1	Laborer's wife,	.	.	.	2
Farmers,	.	.	.	13	Insurance agent's wife,	.	.	.	1
Pattern maker,	.	.	.	1	Mason's wife,	.	.	.	1
Machinist,	.	.	.	1	Railroad employee's wife,	.	.	.	1
Whip makers,	.	.	.	2	Policeman's wife,	.	.	.	1
Sewing-machine agent,	.	.	.	1	Painter's wife,	.	.	.	2
Engineer,	.	.	.	1	Carpenter's wife,	.	.	.	3
Student,	.	.	.	1	Tailor's wife,	.	.	.	1
Stone cutters,	.	.	.	2	Cigar maker's wife,	.	.	.	1
Druggist,	.	.	.	1	Domestic,	.	.	.	13
Dyer,	.	.	.	1	Farmer's daughter,	.	.	.	1
Book-keeper,	.	.	.	1	Cotton weaver,	.	.	.	1
Railroad employee,	.	.	.	1	Mill operatives,	.	.	.	5
Butcher,	.	.	.	1	Waiter,	.	.	.	1
Watchmen,	.	.	.	2	Housekeepers,	.	.	.	6
Clerks,	.	.	.	4	Musician,	.	.	.	1
Paper maker,	.	.	.	1	None,	.	.	.	7
Brass maker,	.	.	.	1	Unknown,	.	.	.	1
Mason,	.	.	.	1					—
Foundry man,	.	.	.	1	Total of persons,	.			55
Mechanic,	.	.	.	1					



9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER AD- MISSIONS.*			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . . . . .	16	12	28	2	3	5	18	15	33
From 1 to 3 months, . . . . .	7	4	11	1	—	1	8	4	12
3 to 6 months, . . . . .	12	3	15	—	—	—	12	3	15
6 to 12 months, . . . . .	3	1	4	—	2	2	3	3	6
1 to 2 years, . . . . .	7	2	9	—	2	2	7	4	11
2 to 5 years, . . . . .	10	4	14	1	1	2	11	5	16
5 to 10 years, . . . . .	2	3	5	3	7	10	5	10	15
10 to 20 years, . . . . .	1	1	2	4	4	8	5	5	10
Over 20 years, . . . . .	2	1	3	2	—	2	4	1	5
Not insane, . . . . .	2	2	4	—	—	—	2	2	4
Unknown, . . . . .	16	2	18	7	3	10	23	5	28
Total of cases, . . . . .	78	35	113	20	22	42	98	57	155
Total of persons, . . . . .	78	35	113	15	20	35	93	55	148
Average of known cases (in years), . . . . .	1 $\frac{13}{30}$	2 $\frac{22}{31}$	1 $\frac{89}{91}$	10 $\frac{5}{13}$	5 $\frac{18}{19}$	7 $\frac{23}{32}$	3 $\frac{2}{73}$	3 $\frac{23}{25}$	3 $\frac{24}{61}$

\* In this division of the table, the whole period of time, from the first attack to the last admission, is indicated.

10. *Form of Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Epilepsy, . . . . .	3	2	5
General paralysis of the insane, . . . . .	6	—	6
Mania, acute, . . . . .	18	8	26
chronic, . . . . .	13	11	24
recurrent, . . . . .	1	3	4
a potu, . . . . .	2	—	2
puerperal, . . . . .	—	1	1
alcoholic, . . . . .	2	1	3
Melancholia, acute, . . . . .	11	10	21
chronic, . . . . .	1	2	3
Dementia, primary, . . . . .	2	3	5
secondary, . . . . .	16	8	24
senile, . . . . .	4	1	5
Delusional, primary, . . . . .	4	5	9
Dipsomania, . . . . .	5	—	5
Inebriate, . . . . .	5	—	5
Imbecility, . . . . .	3	—	3
Not insane, . . . . .	2	2	4
Total of cases, . . . . .	98	57	155
Total of persons, . . . . .	93	55	148

11. Probable Causes of Insanity in Persons Admitted.

CAUSES.	Males.	Females.	Totals.
<i>Physical.</i>			
Ill health, . . . . .	6	7	13
Epilepsy, . . . . .	4	2	6
Paralysis, . . . . .	1	—	1
Paresis, . . . . .	2	—	2
Meningitis, . . . . .	1	—	1
Dropsy, . . . . .	1	—	1
Softening of the brain, . . . . .	1	—	1
Syphilis, . . . . .	1	—	1
Puerperal, . . . . .	—	4	4
Change of life, . . . . .	—	5	5
Heredity, . . . . .	6	2	8
Heredity and ill health, . . . . .	—	1	1
Intemperance, . . . . .	24	3	27
Intemperance and injury to head, . . . . .	1	—	1
Dissipation, . . . . .	—	1	1
Excessive use of tobacco, . . . . .	1	—	1
Masturbation, . . . . .	8	—	8
Injury to head, . . . . .	3	—	3
Sunstroke, . . . . .	1	—	1
Old age, . . . . .	1	—	1
Overwork, . . . . .	4	2	6
Overwork and study, . . . . .	1	—	1
Overwork and worry, . . . . .	—	1	1
<i>Mental.</i>			
Trouble, . . . . .	1	4	5
Domestic trouble, . . . . .	2	1	3
Financial trouble, . . . . .	1	1	2
Trouble and sickness, . . . . .	—	1	1
Anxiety, . . . . .	—	1	1
Disappointment, . . . . .	1	—	1
Loss of friends, . . . . .	—	1	1
Religious excitement, . . . . .	1	2	3
Fright, . . . . .	1	—	1
Total of mental, . . . . .	7	11	18
Total of physical, . . . . .	67	28	95
Not insane, . . . . .	2	2	4
Unknown, . . . . .	17	14	31
Total of persons, . . . . .	93	55	148

*12. Relations to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital, . . . .	74	32	106
Former inmates of this hospital, . . .	14	17	31
Former inmates of other hospitals in this State, . . . . .	—	1	1
Former inmates of this hospital and other hospitals in this State, . . . . .	1	2	3
Former inmates of hospitals in other States,	2	2	4
Former inmates of this hospital and of hospitals in other States, . . . . .	1	1	2
Former inmates of other hospitals in this State, and of hospitals in other States,	1	—	1
Total of persons, . . . . .	93	55	148

13. Discharges Classified by Admission and Result.

ADMISSION.	NOT INSANE.			RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, .	2	1	3	22	8	30	5	4	9	23	31	54	26	7	33	17	5	22	95	56	151
Second, .	—	—	—	3	5	8	—	—	—	2	7	9	7	1	8	1	2	3	13	15	28
Third, .	—	—	—	2	2	4	—	1	1	—	—	—	2	—	2	—	—	—	4	3	7
Fourth, .	—	—	—	—	—	—	—	1	1	—	1	1	—	—	—	—	—	—	—	2	2
Fifth, .	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Sixth, .	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	1	1
Total of cases, .	2	1	3	27	15	42	6	6	12	25	40	65	35	8	43	18	7	25	113	77	190
Total of persons, .	2	1	3	26	15	41	6	6	12	24	40	64	34	8	42	18	7	25	110	77	187



14. How Supported.

	PATIENTS ADMITTED.			WEEKLY AVERAGE OF THE YEAR.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . .	38	22	60	56.56	48.11	104.67
Town patients, . .	44	28	72	145.51	157.50	303.01
Private patients, .	16	7	23	29.38	31.93	61.31
Total of cases, .	98	57	155	231.45	237.54	468.99*

\* This weekly average is .11 less than the daily average 469.10.

15. Cases Discharged Recovered.—Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, . .	4	4	8	6	2	8	1	—	1
From 1 to 3 months, .	6	3	9	11	3	14	1	2	3
3 to 6 months, .	2	1	3	6	4	10	6	1	7
6 to 12 months, .	1	3	4	4	6	10	4	6	10
1 to 2 years, .	2	—	2	—	—	—	3	2	5
2 to 5 years, .	—	—	—	—	—	—	2	—	2
5 to 10 years, .	4	3	7	—	—	—	1	3	4
10 to 20 years, .	—	—	—	—	—	—	—	—	—
Over 20 years, . .	—	—	—	—	—	—	1	—	1
Unknown, . . .	8	1	9	—	—	—	8	1	9
Total of cases, .	27	15	42	27	15	42	27	15	42
Total of persons, .	26	15	41	26	15	41	26	15	41
Average of known cases (in months), . .	17 $\frac{10}{19}$	16 $\frac{2}{7}$	17 $\frac{17}{33}$	3 $\frac{11}{27}$	5 $\frac{1}{10}$	4 $\frac{7}{33}$	21 $\frac{14}{19}$	21 $\frac{5}{7}$	21 $\frac{24}{33}$

## 16. Cases Resulting in Death. — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESI- DENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . . . . .	3	—	3	1	—	1	1	—	1
From 1 to 3 months, . . . . .	1	2	3	2	—	2	—	—	—
3 to 6 months, . . . . .	1	—	1	1	1	2	1	1	2
6 to 12 months, . . . . .	1	—	1	5	—	5	2	—	2
1 to 2 years, . . . . .	2	1	3	2	1	3	1	1	2
2 to 5 years, . . . . .	3	1	4	2	1	3	3	1	4
5 to 10 years, . . . . .	2	—	2	2	1	3	3	—	3
10 to 20 years, . . . . .	1	2	3	2	1	3	2	2	4
Over 20 years, . . . . .	1	1	2	1	2	3	2	2	4
Unknown, . . . . .	3	—	3	—	—	—	3	—	3
Totals, . . . . .	18	7	25	18	7	25	18	7	25
Average of known cases (in months), . . . . .	34	$82\frac{6}{7}$	$49\frac{6}{11}$	$56\frac{4}{9}$	$110\frac{11}{25}$	$71\frac{11}{25}$	$84\frac{7}{9}$	$192\frac{2}{3}$	$111\frac{1}{25}$

## 17. Cases Discharged by Recovery or Death.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Epilepsy, . . . . .	—	—	—	2	2	4
General paralysis of the in- sane, . . . . .	—	—	—	6	—	6
Mania, acute, . . . . .	6	6	12	1	—	1
chronic, . . . . .	—	—	—	3	2	5
recurrent, . . . . .	1	1	2	—	—	—
alcoholic, . . . . .	7	1	8	—	—	—
puerperal, . . . . .	—	1	1	—	—	—
Melancholia, acute, . . . . .	2	4	6	2	1	3
Delusional insanity, . . . . .	1	—	1	—	—	—
Dementia, primary, . . . . .	1	—	1	—	1	1
secondary, . . . . .	—	—	—	3	1	4
senile, . . . . .	—	—	—	1	—	1
Dipsomania, . . . . .	4	1	5	—	—	—
Inebriate, . . . . .	5	1	6	—	—	—
Totals, . . . . .	27	15	42	18	7	25

*18. Causes of Death.*

CAUSES.	Males.	Females.	Totals.
Nervous system : —			
General paralysis of the insane, . . .	6	—	6
Exhaustion of acute mania, . . .	1	—	1
Exhaustion of chronic mania, . . .	1	—	1
Exhaustion of acute melancholia, . . .	—	1	1
Apoplexy, . . . . .	2	—	2
Epilepsy, . . . . .	1	2	3
Respiratory : —			
Phthisis, . . . . .	2	3	5
Zymotic : —			
Pyæmia, . . . . .	1	—	1
Digestive : —			
Peritonitis, . . . . .	1	—	1
Circulatory : —			
Heart disease, . . . . .	2	1	3
General : —			
Old age, . . . . .	1	—	1
Totals, . . . . .	18	7	25





21. *Deaths Classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY FROM FIRST ATTACK.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	—	—	—	—	—	—
Under 1 month, . . . . .	1	—	1	1	—	1
From 1 to 3 months, . . . . .	—	—	—	2	—	2
3 to 6 months, . . . . .	—	1	1	—	1	1
6 to 12 months, . . . . .	3	—	3	6	—	6
1 to 2 years, . . . . .	1	1	2	1	1	2
2 to 5 years, . . . . .	3	1	4	3	1	4
5 to 10 years, . . . . .	3	—	3	2	1	3
10 to 20 years, . . . . .	2	2	4	2	1	3
Over 20 years, . . . . .	2	2	4	1	2	3
Unknown, . . . . .	3	—	3	—	—	—
Totals, . . . . .	18	7	25	18	7	25
Average of known cases (in months), . . . . .	$95\frac{9}{15}$	$196\frac{3}{7}$	$127\frac{15}{22}$	$54\frac{8}{9}$	$112\frac{6}{7}$	$71\frac{3}{25}$

22. *Ages of Those who died.*

AGES.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteen years and less, . . . . .	1	1	2	—	—	—
From 15 to 20 years, . . . . .	1	—	1	—	—	—
20 to 25 years, . . . . .	—	1	1	2	—	2
25 to 30 years, . . . . .	1	1	2	1	—	1
30 to 35 years, . . . . .	1	2	3	—	1	1
35 to 40 years, . . . . .	4	—	4	4	—	4
40 to 50 years, . . . . .	3	—	3	2	2	4
50 to 60 years, . . . . .	2	1	3	2	1	3
60 to 70 years, . . . . .	1	1	2	2	2	4
70 to 80 years, . . . . .	—	—	—	5	1	6
Unknown, . . . . .	4	—	4	—	—	—
Totals, . . . . .	18	7	25	18	7	25









1874-75, ..	14	16	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	6	16
1875-76, ..	13	14	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	5
1876-77, ..	13	16	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	7	16
1877-78, ..	9	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	3	5
1878-79, ..	14	9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	3	7
1879-80, ..	8	10	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	9	9	15
1880-81, ..	9	17	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	6	6	14
1881-82, ..	12	10	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	11	11	17
1882-83, ..	13	17	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	16	16	22
1883-84, ..	24	17	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	11	11	21
1884-85, ..	13	24	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	16	16	29
1885-86, ..	22	25	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	23	23	40
1886-87, ..	14	15	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	8	8	15
1887-88, ..	25	19	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	38	38	73
1888-89, ..	20	22	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	38	38	82
Totals, ..	432	410	842	5	7	12	1	2	3	3	9	12	9	1	10	1	2	3	217	229	229	446



[illegible]

## 25. Operations of the Hospital, from the Beginning, in Each Year.

		DISCHARGED.																																
ADMITTED.	Males, Females, Totals,	1858.	1858-59.	1859-60.	1860-61.	1861-62.	1862-63.	1863-64.	1864-65.	1865-66.	1866-67.	1867-68.	1868-69.	1869-70.	1870-71.	1871-72.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1877-78.	1878-79.	1879-80.	1880-81.	1881-82.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	
		99 129 228	45 48 93	73 94 167	70 52 122	64 48 112	69 68 137	48 45 93	70 64 134	75 61 136	68 84 152	61 77 138	68 84 152	84 85 169	90 112 202	109 102 211	101 98 199	102 79 181	105 88 193	75 78 153	76 77 153	68 71 139	40 36 76	63 43 106	59 58 117	57 66 123	62 62 124	78 69 147	61 75 136	66 70 136	85 98 183	72 76 148	87 79 166	98 57 155
Recovered.	Males, Females, Totals,	-	18 15 33	-	-	19 15 34	-	30 18 48	17 16 33	15 9 24	22 19 41	19 17 36	31 18 49	23 27 50	16 27 43	25 15 40	19 29 48	25 12 37	16 13 29	19 13 32	15 18 33	7 13 26	16 12 28	7 13 20	13 15 28	11 17 28	9 16 25	17 12 29	10 19 29	16 8 24	23 13 36	27 15 42		
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Much Improved.	Males, Females, Totals,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 7 12	6 7 13	4 9 13	9 2 9	9 11 20	4 6 10	8 2 10	8 2 10	5 3 8	3 6 9	6 6 12
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Improved.	Males, Females, Totals,	4	9 9 18	-	-	25 15 40	-	20 18 38	14 13 27	13 7 20	18 15 33	20 28 48	23 28 51	15 43 58	23 41 64	33 27 60	37 22 59	24 19 43	21 24 45	18 31 49	8 13 21	17 27 44	15 13 28	11 12 23	15 15 30	7 14 21	18 15 33	16 19 35	12 17 29	23 36 59	36 31 67	25 22 47	25 40 65	
		4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unimproved	Males, Females, Totals,	2 2 4	6 4 10	-	-	9 4 13	-	4 5 9	8 7 15	5 3 8	5 4 9	9 8 17	20 43 63	22 34 56	31 30 61	22 27 49	23 29 52	27 18 45	17 21 38	24 23 47	15 17 32	16 13 29	11 3 14	9 10 19	6 10 16	14 13 27	21 14 35	16 20 36	10 16 26	20 23 43	21 16 37	12 17 29	35 8 43	
		4	10	4	10	13	7	9	15	8	9	17	63	56	61	49	52	45	38	47	32	29	14	19	16	27	35	36	26	43	37	29	43	



DISCHARGED.		Males, . Females,		Totals,		Males, . Females,		Totals,		Males, . Females,		Totals,		Males, . Females,		Totals,		Males, . Females,		Totals,	
Not Insane		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Condition not reported, .		6	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DIED.	Males, . Females,	7 12	8 15	9 9	17 30	18 13	23 24	25 18	13 12	22 11	16 12	19 18	13 8	23 21	14 11	23 41	18 37	21 42	14 9	17 12	18 13
	Totals,	19	27	18	47	31	47	43	25	33	28	37	21	25	26	30	25	27	26	31	25
Whole No. of cases in year,		228	313	400	437	444	468	488	543	590	604	616	619	614	626	629	629	603	551	535	559
No. of patients at end of year,		220	233	315	332	332	352	405	413	421	405	420	433	433	476	476	464	475	429	442	446

26. *Classed Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65, . . .	225.10	48.16	69.83	343.25
1865-66, . . .	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67, . . .	261.96	49.46	89.75	401.17
1867-68, . . .	262.65	47.92	103.06	413.63
1868-69, . . .	248.52	54.98	101.46	404.96
1869-70, . . .	236.19	65.04	107.23	408.46
1870-71, . . .	234.10	77.07	118.38	429.55
1871-72, . . .	226.96	89.57	112.27	428.80
1872-73, . . .	248.02	99.23	90.00	437.25
1873-74, . . .	284.48	102.88	82.06	469.42
1874-75, . . .	274.35	128.34	72.46	475.15
1875-76, . . .	259.19	146.02	68.94	474.15
1876-77, . . .	254.84	161.58	60.02	476.44
1877-78, . . .	211.90	175.71	54.75	442.36
1878-79, . . .	200.34	182.29	54.23	436.86
1879-80, . . .	197.03	198.01	55.46	450.50
1880-81, . . .	180.82	214.15	57.19	452.15
1881-82, . . .	166.84	238.25	56.52	461.61
1882-83, . . .	161.62	247.63	57.58	466.83
1883-84, . . .	155.10	251.23	56.06	462.39
1884-85, . . .	154.44	261.58	59.82	475.84
1885-86, . . .	140.23	270.52	63.61	474.36
1886-87, . . .	122.78	289.38	66.00	478.16
1887-88, . . .	112.17	294.01	64.01	470.19
1888-89, . . .	104.67	303.01	61.31	468.99

27. *Monthly Consumption of Gas.*

MONTHS.	Cubic Feet.	Daily Average.
<b>1888.</b>		
October, . . . . .	50,900	1,641.93
November, . . . . .	56,300	1,876.66
December, . . . . .	72,700	2,345.16
<b>1889.</b>		
January, . . . . .	67,700	2,183.87
February, . . . . .	51,700	1,846.43
March, . . . . .	45,050	1,453.23
April, . . . . .	34,600	1,153.33
May, . . . . .	23,700	764.52
June, . . . . .	19,900	663.33
July, . . . . .	22,800	735.48
August, . . . . .	27,900	900.00
September, . . . . .	37,700	1,256.66
Total, . . . . .	510,950	16,820.60

28. Supplies for the Several Departments for the Year 1888-1889.

	Sheets.	Pillow Cases.	Bed Spreads.	Blankets.	Bed Ticks.	Pillow Ticks.	Towels.	Curtains.	Wash Bowls.	Ewers.	Chambers.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumblers.	Mugs.	Bowls.	Pitchers.	Syrup Cups.	Knives.	Forks.	Lanterns.	Scissors.	Clothes Bags.	
Men's Department.																													
Upper 1st Hall,	18	18	-	3	-	-	24	-	-	-	5	-	4	3	2	2	12	24	32	-	-	20	3	2	19	7	-	-	1
2d Hall,	6	12	6	12	4	4	-	4	-	-	6	2	2	2	-	6	12	6	28	-	18	3	-	6	23	-	-	2	
3d and 4th Halls,	36	42	-	12	-	-	12	-	-	-	8	-	2	6	-	24	6	24	-	-	12	6	-	-	-	-	-	-	
Middle 1st Hall,	36	24	-	-	-	-	-	-	-	-	8	-	1	1	-	24	24	24	-	-	18	2	3	-	3	-	-	-	
2d Hall,	36	36	-	-	-	-	18	-	1	1	20	1	-	-	-	30	36	36	-	-	24	3	3	-	-	-	-	-	
3d and 4th Halls,	54	18	-	12	6	6	12	-	1	-	8	1	-	5	-	6	24	30	-	-	-	-	-	-	-	-	-	-	
Lower 1st Hall,	27	28	4	8	9	-	12	-	1	1	4	-	1	1	10	6	24	24	-	-	-	1	2	-	-	-	-	-	
2d Hall,	32	34	-	14	4	-	-	-	-	-	4	-	-	-	-	24	24	24	-	-	-	-	-	-	-	-	-	-	
3d and 4th Halls,	36	24	6	2	2	4	12	-	-	-	8	-	1	-	-	24	24	24	-	-	-	2	-	-	-	-	-	-	
Women's Department.																													
Upper 1st Hall,	-	12	-	-	-	-	30	6	2	2	-	-	-	-	-	18	12	36	18	36	3	1	2	15	21	-	-	-	
2d Hall,	12	12	12	12	-	-	30	-	1	1	-	-	1	13	9	24	6	12	36	36	7	3	1	22	22	-	-	-	
3d Hall,	76	52	14	12	1	6	42	-	-	-	12	-	1	10	2	-	18	-	6	48	18	-	-	2	-	-	1	1	
4th Hall,	52	36	8	-	1	-	66	-	-	-	3	-	-	11	1	6	24	30	-	-	6	30	4	-	18	28	-	-	
Middle 1st Hall,	12	48	12	-	7	-	30	-	-	-	12	-	-	20	13	18	24	48	-	-	-	2	-	-	-	-	-	-	
2d Hall,	112	54	16	4	2	3	48	6	-	-	12	1	-	39	6	30	-	24	42	42	18	1	-	-	-	-	-	1	
3d Hall,	24	36	14	6	2	-	42	2	-	-	12	-	-	12	6	18	6	12	12	24	7	-	-	27	24	-	-	2	
4th Hall,	28	36	14	-	-	-	28	-	-	-	6	-	-	11	-	12	24	24	-	-	13	-	-	-	-	-	-	-	
Lower 1st Hall,	12	12	-	12	-	-	42	7	1	-	18	-	-	20	-	6	24	48	-	-	-	-	-	-	-	-	-	-	
2d Hall,	48	48	1	-	-	-	54	3	-	-	6	-	-	31	-	-	6	6	42	12	13	-	-	-	-	-	-	-	
3d Hall,	12	24	6	12	6	4	42	3	-	-	3	-	-	2	-	192	39	-	-	-	-	-	-	-	-	-	-	-	
4th Hall,	12	12	-	-	1	-	-	-	-	-	5	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kitchen,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rear,	42	35	3	10	-	-	32	-	-	3	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
Centre,	8	10	1	1	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aggregate,	731	639	107	114	47	34	566	34	10	10	176	6	14	201	59	459	339	444	282	114	148	43	8	186	164	2	3	9	



## 28. Supplies for the Several Departments for the Year 1888-89 — Concluded.

	Spoons.	Glass Casters.	Table Spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish Towels.	Rollers.	Wash Basins.	Brooms.	Soap, pounds.	Whisks.	Dust Brushes.	Scrub Brushes.	Dust Pans.	Mops.	Pails.	Spittoons.	Blacking.	Shoe Brushes.	Spools Thread.	Papers Needles.	Papers Pins.	Rubber Chambers.
Men's Department.																									
Upper 1st Hall,	36	-	1	18	-	-	-	12	-	-	14	44	2	2	1	2	2	-	-	1	8	2	2	-	-
2d Hall,	34	-	3	50	-	-	-	-	-	-	21	58	-	3	1	-	2	2	1	3	7	4	4	-	-
3d and 4th Halls,	12	-	-	-	-	6	1	12	18	-	27	72	2	2	4	2	3	2	2	2	-	3	1	1	-
Middle 1st Hall,	30	-	-	-	-	-	-	12	12	-	11	56	-	1	5	-	1	2	2	10	2	3	-	-	-
2d Hall,	30	-	1	-	-	6	-	24	24	1	18	68	-	2	3	1	4	1	3	13	2	-	-	-	-
3d and 4th Halls,	-	-	-	-	10	-	1	6	12	-	19	90	2	4	2	-	1	3	-	7	-	-	-	-	-
Lower 1st Hall,	28	-	1	-	12	-	-	26	12	-	11	14	-	2	2	-	3	-	-	14	2	-	-	-	-
2d Hall,	16	-	1	-	-	-	-	-	-	-	26	70	1	2	1	1	-	-	-	-	-	-	-	-	-
3d and 4th Halls,	-	-	-	-	-	-	-	-	12	-	19	62	-	-	2	-	4	3	-	4	-	2	-	-	-
Women's Department.																									
Upper 1st Hall,	12	-	2	24	-	-	-	-	-	-	8	44	1	1	1	1	1	2	-	-	-	4	1	4	-
2d Hall,	32	-	2	48	-	-	-	6	-	-	23	46	-	1	1	1	4	1	-	1	-	14	2	6	-
3d Hall,	-	-	-	-	-	-	-	-	-	-	11	54	-	-	-	-	-	2	-	-	-	16	3	8	-
4th Hall,	68	-	-	-	-	9	36	18	-	-	9	64	-	3	2	-	6	2	-	-	-	2	-	9	-
Middle 1st Hall,	36	-	2	-	-	-	-	6	-	-	16	58	-	2	-	-	2	1	-	-	-	11	7	5	-
2d Hall,	-	-	1	-	-	-	12	12	-	-	27	88	-	1	-	-	6	2	-	-	-	26	8	13	-
3d Hall,	12	-	1	-	12	-	24	-	-	-	21	60	-	1	1	2	13	6	-	-	-	19	2	20	-
4th Hall,	-	-	8	-	-	-	6	6	-	-	18	46	-	1	-	-	7	7	1	-	-	6	2	5	-
Lower 1st Hall,	24	-	3	-	-	-	12	-	-	1	14	48	-	3	-	-	15	4	-	-	-	24	1	3	-
2d Hall,	-	-	5	-	6	-	12	-	-	-	25	102	-	1	-	-	9	-	-	-	-	20	3	24	-
3d Hall,	-	-	-	-	-	-	12	-	-	-	15	54	-	1	-	-	15	-	-	-	-	16	3	11	-
4th Hall,	-	-	-	-	-	-	-	-	-	-	5	22	-	-	-	-	-	6	-	-	-	16	1	5	-
Kitchen,	-	-	-	2	24	-	-	13	12	-	64	69	-	1	-	-	-	-	-	-	-	-	-	-	-
Rear,	-	-	1	-	-	6	-	-	-	-	74	152	-	3	-	-	1	-	-	-	-	-	-	10	-
Centre,	-	-	-	-	-	-	-	24	-	-	11	55	2	5	-	-	2	3	-	1	-	-	-	-	-
Aggregates,	370	-	32	142	64	93	116	183	102	4	507	1,496	25	43	28	17	98	60	10	77	7	190	32	124	8



29. *Days' Work by Patients.*

MONTHS.	FARM.	KITCHEN.			SEWING-ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
<b>1888.</b>								
October, .	757	55	196	251	258	51	373	424
November, .	644	90	185	275	226	48	370	418
December, .	627	93	178	271	233	47	336	383
<b>1889.</b>								
January, .	688	93	171	264	227	48	404	452
February, .	594	84	146	230	250	45	357	402
March, .	607	93	179	272	311	47	355	402
April, .	760	93	175	268	265	47	319	366
May, .	814	90	189	279	226	50	378	428
June, .	779	90	180	270	196	45	338	383
July, .	791	90	190	280	216	49	356	405
August, .	762	93	179	272	299	53	344	397
September, .	643	90	174	264	234	46	336	382
Totals, .	8,466	1,054	2,142	3,196	2,941	576	4,266	4,842

The patients whose work is recorded in this table were employed as many hours in the day as were the employees in each of the several departments, respectively. The total number of days' work is 19,445, to which may be added 221 days by men in the mattress room, making an aggregate of 19,666 days.

*30. List of Articles made in the Sewing-Room.*

Dresses, . . . . .	260	Curtains, . . . . .	84
Waists, . . . . .	13	Sheets, . . . . .	801
Chemises, . . . . .	204	Pillow cases, . . . . .	967
Drawers, . . . . .	134	Spreads hemmed, . . . . .	91
Skirts, . . . . .	159	Bed ticks, . . . . .	55
Night dresses, . . . . .	21	Bolster cases, . . . . .	39
Hats trimmed, . . . . .	36	Clothes bags, . . . . .	14
Caps, . . . . .	313	Bureau covers, . . . . .	34
Aprons, . . . . .	193	Dish towels, . . . . .	469
Collars, . . . . .	194	Roller towels, . . . . .	164
Shirts, . . . . .	194	Carpets made, . . . . .	17
Camisoles, . . . . .	21	Carpet strips hemmed, . . . . .	85
Suspenders, pairs, . . . . .	44	Boys' suits made, . . . . .	2
Table cloths, . . . . .	37	Ox blankets, . . . . .	2
Napkins hemmed, . . . . .	138	Articles repaired, . . . . .	23,293

*31. Upholstery done in the Year.*

Hair mattresses made, new materials, . . . . .	15
Hair mattresses made, new ticks, . . . . .	27
Hair mattresses overhauled, hair repicked, . . . . .	136
Hair pillows overhauled, hair repicked, . . . . .	12
Hair pillows overhauled, . . . . .	13

32. *Annual Cost of Gas.*

YEAR.	Cost of Gas.	Average Number of Patients.	Cost per Patient.
1860-61, . . . . .	\$2,030 39	314.26	\$6 46
1861-62, . . . . .	2,085 29	313.80	6 64
1862-63, . . . . .	2,109 02	355.63	5 93
1863-64, . . . . .	2,069 79	357.63	5 78
1864-65, . . . . .	1,653 05	342.40	4 82
1865-66, . . . . .	1,107 98	376.35	2 94
1866-67, . . . . .	1,056 16	401.03	2 63
1867-68, . . . . .	1,022 51	413.41	2 47
1868-69, . . . . .	903 92	405.10	2 23
1869-70, . . . . .	915 30	408.83	2 23
1870-71, . . . . .	1,043 99	421.90	2 47
1871-72, . . . . .	980 94	428.72	2 28
1872-73, . . . . .	1,006 61	437.23	2 30
1873-74, . . . . .	1,066 74	469.54	2 27
1874-75, . . . . .	1,012 63	475.35	2 13
1875-76, . . . . .	1,089 82	474.21	2 29
1876-77, . . . . .	1,033 59	476.16	2 17
1877-78, . . . . .	1,066 02	442.43	2 41
1878-79, . . . . .	1,033 05	436.73	2 37
1879-80, . . . . .	954 00	450.51	2 10
1880-81, . . . . .	949 65	451.79	2 10
1881-82, . . . . .	919 13	461.66	2 00
1882-83, . . . . .	992 10	466.76	2 10
1883-84, . . . . .	1,031 55	463.05	2 23
1884-85, . . . . .	912 49	475.94	1 92
1885-86, . . . . .	882 90	474.40	1 86
1886-87, . . . . .	854 97	478.54	1 79
1887-88, . . . . .	901 74	470.25	1 91
1888-89, . . . . .	955 51	469.10	2 04

*33. Trustees of the Northampton Lunatic Hospital.*

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause.
Charles E. Forbes,* .	Northampton, . .	1856	1857	Term expired.
Lucien C. Boynton,* .	Uxbridge, . . .	1856	1858	“ “
Eliphalet Trask, . .	Springfield, . .	1856	1875	“ “
John C. Russell,* . .	Great Barrington, .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith, . . .	Northampton, . .	1857	1860	Resigned.
Luther V. Bell,* . .	Somerville, . . .	1857	1859	“
Zebina L. Raymond,* .	Greenfield, . . .	1858	1859	“
Franklin Ripley,* . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* .	Amherst, . . . .	1859	1864	Resigned.
Walter Laflin,* . . .	Pittsfield, . . . .	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . .	1860	1863	“ “
Charles Allen, . . . .	Greenfield, . . . .	1860	1861	Resigned.
Alfred R. Field,* . . .	Greenfield, . . . .	1861	1864	“
Edward Hitchcock, . .	Amherst, . . . .	1863	1879	“
Silas M. Smith,* . . .	Northampton, . .	1864	1887	Died in office.
Edmund H. Sawyer,* . .	Easthampton, . .	1864	1879	“ “
Henry L. Sabin,* . . .	Williamstown, . .	1866	1876	Term expired.
Adams C. Deane, . . .	Greenfield, . . . .	1875	—	Still in office.
Henry W. Taft, . . . .	Pittsfield, . . . .	1876	—	“ “
William M. Gaylord, . .	Northampton, . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . .	1879	—	Still in office.
Christopher Merritt, . .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, . .	Chicopee, . . . .	1884	—	Still in office.
Sarah M. Butler, . . . .	Northampton, . .	1884	—	“ “
John L. Otis, . . . . .	Florence, . . . .	1887	—	“ “
N. A. Leonard, . . . .	Springfield, . . .	1888	—	“ “

\* Deceased.



34. *Officers and Employees.*

Time employed, Oct. 1, 1889.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., superintendent, . . .	20	9	16
John A. Houston, M.D., 1st assistant physician, .	—	—	7
Charles M. Holmes, M.D., 2d assistant physician, .	—	2	21
Emily F. Wells, M.D., female physician, . . .	4	9	—
Walter B. Welton, clerk, . . . . .	23	7	16
John Mercier, farmer, . . . . .	22	2	—
Danford Morse, engineer, . . . . .	24	6	9
Robert H. Gallivan, supervisor, . . . . .	16	5	13
Lucy A. Gilbert, supervisor, . . . . .	22	7	20
F. Josephus Rice, steward, . . . . .	30	11	26
Minnie A. Smith, seamstress, . . . . .	1	8	27
Lizzie E. Rice, laundress, . . . . .	—	2	6
George B. Walker, baker, . . . . .	5	3	22
Minne A. Collier, assistant clerk, . . . . .	—	9	20
Lucie L. Barrett, assistant supervisor, . . . .	3	—	12
Bradamant Fairbanks, assistant seamstress, . .	—	5	14
Mattie G. Jones, assistant laundress, . . . .	—	1	11
Emma Smith, assistant laundress, . . . . .	—	2	20
Henry W. Estey, attendant, . . . . .	7	6	7
Thomas Lavelle, attendant, . . . . .	3	6	23
Anson T. Hale, attendant, . . . . .	2	5	—
Fred A. Shumway, attendant, . . . . .	1	5	25
Jeremiah J. Regan, attendant, . . . . .	—	9	3
John A. Vincent, attendant, . . . . .	—	8	26
Ernest Aldrich, attendant, . . . . .	—	6	20
Daniel W. Webster, attendant, . . . . .	—	6	9
James F. Wells, attendant, . . . . .	—	4	8
Edward N. Aldrich, attendant, . . . . .	—	2	29
W. J. Bond, attendant, . . . . .	—	2	1
George M. Locke, attendant, . . . . .	—	1	7
Emory L. Hill, attendant, . . . . .	—	—	14
Jane McGuire, attendant, . . . . .	14	5	5
Cecile Riel, attendant, . . . . .	12	11	25
Jeanette McLean, attendant, . . . . .	6	1	3
Philomene Goyette, attendant, . . . . .	6	6	13
Effie Clapp, attendant, . . . . .	3	3	17
Alice A. Hawkes, attendant, . . . . .	1	9	27
Celeste Goyette, attendant, . . . . .	4	6	16
Harriet L. Strong, attendant, . . . . .	2	6	13
Adeline D. Morgan, attendant, . . . . .	1	—	12
Marion Darling, attendant, . . . . .	—	6	15
Katy A. Cook, attendant, . . . . .	—	2	5
Emma A. Shumway, attendant, . . . . .	—	2	2
Mary Sweeney, attendant, . . . . .	—	1	28
Flora E. Jones, attendant, . . . . .	—	2	14
Mary McClellan, attendant, . . . . .	1	2	13
Jessie A. Rand, night watch, . . . . .	8	3	11
Florence Bryant, farmer's dining room, . . .	—	—	2
Hattie Darling, centre, . . . . .	2	10	—

34. *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Belle Warren, centre, . . . . .	—	5	6
Ida D. Hyde, centre, . . . . .	4	4	6
Mary Mangan, cook, . . . . .	1	2	5
Alice A. Miller, assistant cook, . . . . .	—	5	14
Maggie Howe, assistant cook, . . . . .	—	2	29
Mary A. Carnes, rear, . . . . .	6	3	—
William C. Hall, assistant engineer, . . . . .	24	—	20
Nicholas Riel, night engineer, . . . . .	13	9	25
Moses Bartlett, watchman, . . . . .	—	6	25
Sifroi Belville, carpenter, . . . . .	19	5	7
Walter Tower, carpenter, . . . . .	11	10	—
Alfred Parenteau, painter, . . . . .	24	1	18
David Mercier, coachman, . . . . .	12	7	14
Benjamin Rockwell, assistant farmer, . . . . .	22	4	—
Henry Wilson, assistant farmer, . . . . .	10	5	8
James Madden, assistant farmer, . . . . .	14	—	29
Eugene Sullivan, assistant farmer, . . . . .	14	5	—
George E. Hunter, assistant farmer, . . . . .	3	5	19
Hermon Miller, assistant farmer, . . . . .	—	5	14
George W. Braman, assistant farmer, . . . . .	—	10	8
John Gray, assistant farmer, . . . . .	—	6	4
David McCandless, assistant farmer, . . . . .	—	5	15
Herbert T. Wells, assistant farmer, . . . . .	—	1	4
Albert Holmes, car boy, . . . . .	—	5	18
William A. Rice, assistant baker, . . . . .	—	3	3









